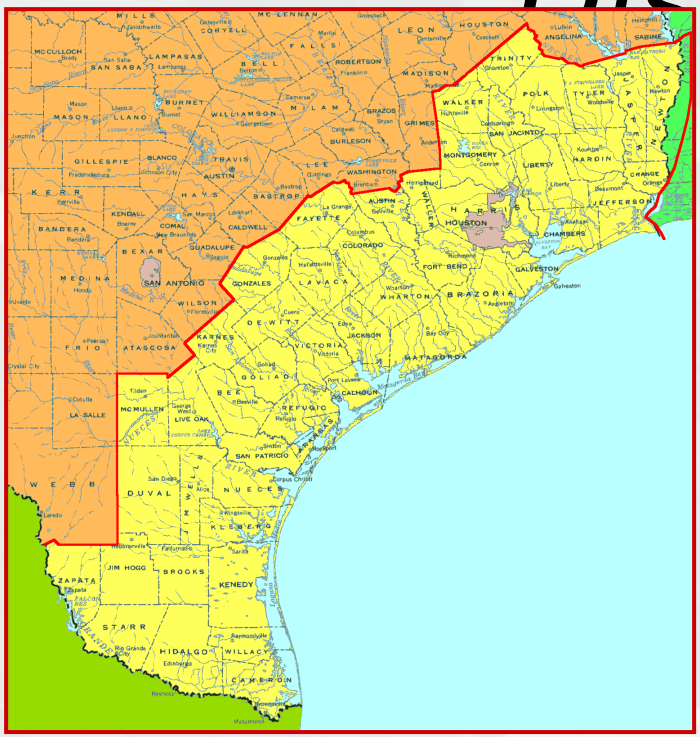
DREDGING YOUR DOCKS 2012

Mr. Jayson M Hudson
Regulatory Project Manager
Galveston District

US Army Corps of Engineers
BUILDING STRONG®

U.S. Army Corps of Engineers, Galveston District



- 50,000+ sq mi, with 700 miles coastline, 150 miles inland
- 48 counties, portions of 4 parishes with 16 congressional districts
- 340 dedicated professionals and annual budget of approximately $150 million

Custodians of the Coast

BUILDING STRONG®

Section 10 Rivers and Harbors Act of 1899 (33 U.S.C. 401)

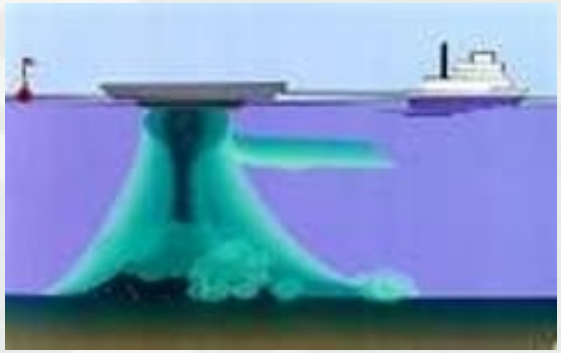
- Structures and/or work in or affecting navigable waters of the United States
- Structures and/or work outside the limits of navigable waters, IF these structures or work could affect the course, location, or condition of the waterbody so as to impact its navigable capacity
- Artificial islands, installations, or other devices on the outer continental shelf

Section 404 Clean Water Act (33 U.S.C 1344)

- Discharge of dredged or fill material
- Activities Regulated as a Discharge of Dredged Material
  - Addition of dredged material to a specified discharge site located in waters
  - Runoff or overflow from a contained land or water disposal area
  - Any addition, including more than incidental redeposit of dredged material, mechanized landclearing, ditching, channelization, or other excavation

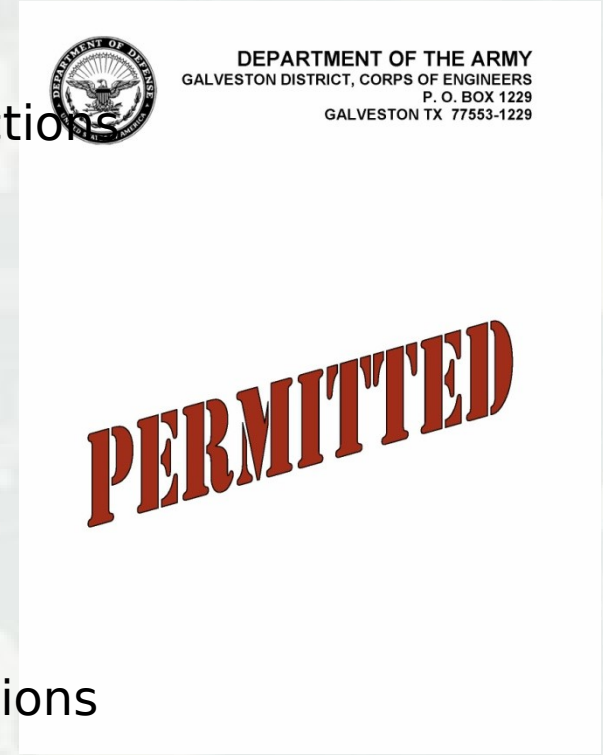
Section 103 Marine Protection, Research, and Sanctuaries Act (Ocean Dumping Act - [illegible])

- Transportation of dredged material by vessel or vehicle for purpose of dumping (disposal) in ocean waters at disposal sites designated by EPA under 40 CFR 228
- Dredged material for purposes of Section 103 means any material excavated or dredged from “navigable” waters of the United States



Department of the Army Permits

- Nationwide Permits
  - Authorizes Section 10 and Section 404 actions
  - Minimal impact to aquatic environment
  - Expedite permit review process
- Letters of Permission
  - Authorizes Section 10 Actions ONLY
  - Non-Controversial Actions
- Standard Permit
  - Authorizes Section 10 and Section 404 Actions
  - Controversial Actions



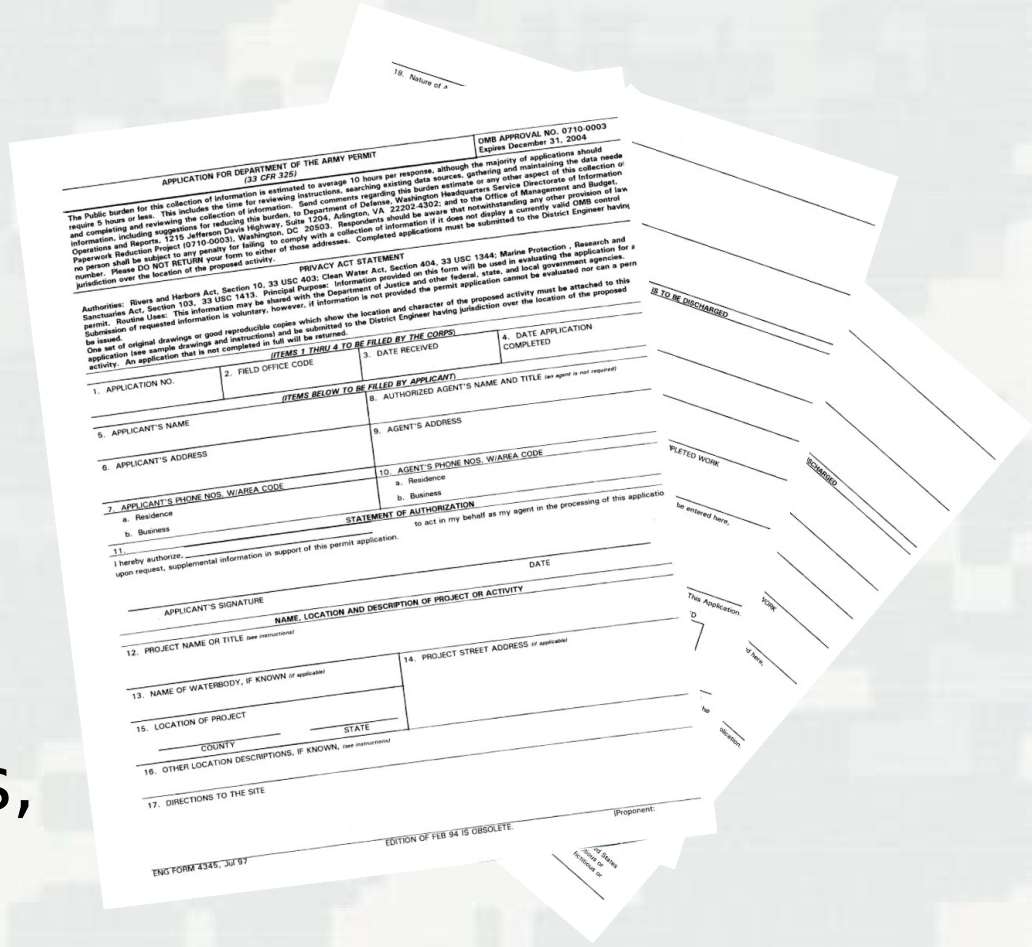
http://www.swg.usace.army.mil/BusinessWithUs/RegulatoryBranch/Permits.aspx

Nationwide Permits Useful for Docks

- NWP 3 – Maintenance of Structures
- NWP 13 – Bank Stabilization
- NWP 19 – Minor Dredging
- NWP 35 – Maintenance Dredging of Existing Basins
- NWP 16 – Water Quality Certification for return water from upland disposal

Applying for a DA Permit

- Engineer Form 4345
- Complete description of the proposed activity including necessary drawings, sketches, or plans sufficient for public notice


APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT
(33 CFR 325)

OMB APPROVAL NO. 0710-0003
Expires December 31, 2004

The Public burden for this collection of information is estimated to average 10 hours per response, although the majority of applications should require 5 hours or less. This includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Service Directorate of Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302; and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003). Washington, DC 20503. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection , Research and Sanctuaries Act, Section 103, 33 USC 1413. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued.
One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.
2. FIELD OFFICE CODE
3. DATE RECEIVED
4. DATE APPLICATION COMPLETED

(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME
8. AUTHORIZED AGENT'S NAME AND TITLE (an agent is not required)
6. APPLICANT'S ADDRESS
9. AGENT'S ADDRESS
7. APPLICANT'S PHONE NOS. W/AREA CODE
a. Residence
b. Business
10. AGENT'S PHONE NOS. W/AREA CODE
a. Residence
b. Business

STATEMENT OF AUTHORIZATION

11. I hereby authorize, to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

APPLICANT'S SIGNATURE
DATE

NAME, LOCATION AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions)
13. NAME OF WATERBODY, IF KNOWN (if applicable)
14. PROJECT STREET ADDRESS (if applicable)
15. LOCATION OF PROJECT
COUNTY
STATE
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN, (see instructions)
17. DIRECTIONS TO THE SITE

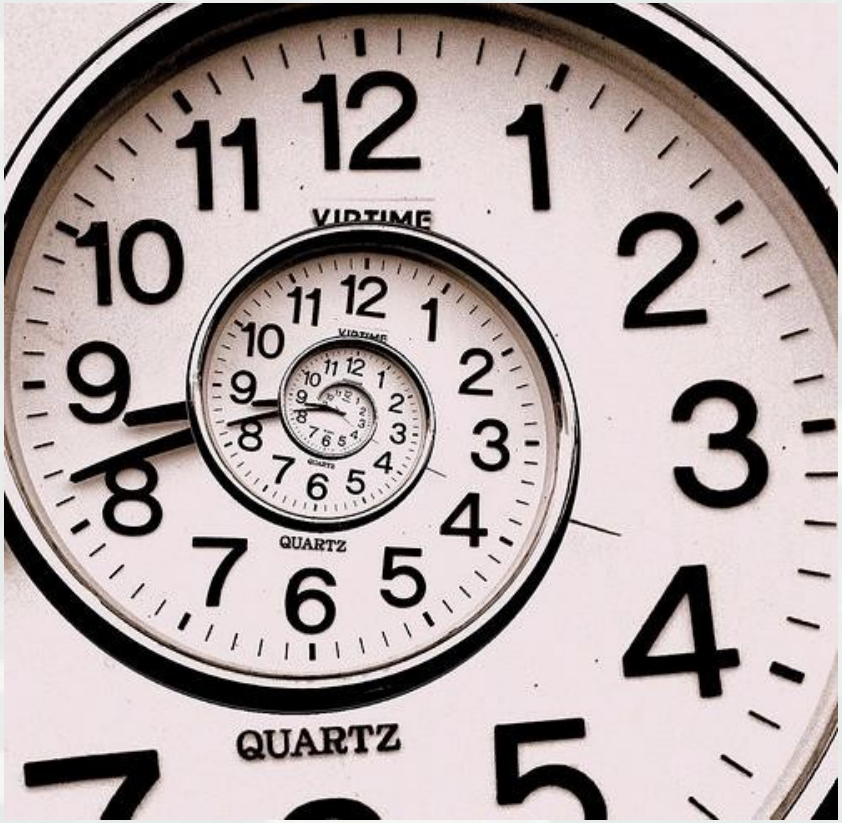
ENG FORM 4345, JUL 97
EDITION OF FEB 94 IS OBSOLETE.
(Proponent:

Public Notice Requirements

- Corps Authorities
- Location maps including dredge placement, project plans including the location and dimensions of adjacent structures
- Description, purpose and need, and scheduling of the proposed activity;
- List of authorizations required by other federal, interstate, state, or local agencies for the work, including all approvals received or denials already made
- Information on the characteristics and composition of the dredged material
- Threatened and Endangered Species, Coastal Zone Consistency, Water Quality , Historic properties, and Mitigation statements.

Why Did My Last Permit Take So Long

Primary Cause Of Delay For Applications Is Incomplete Or Contradictory Information



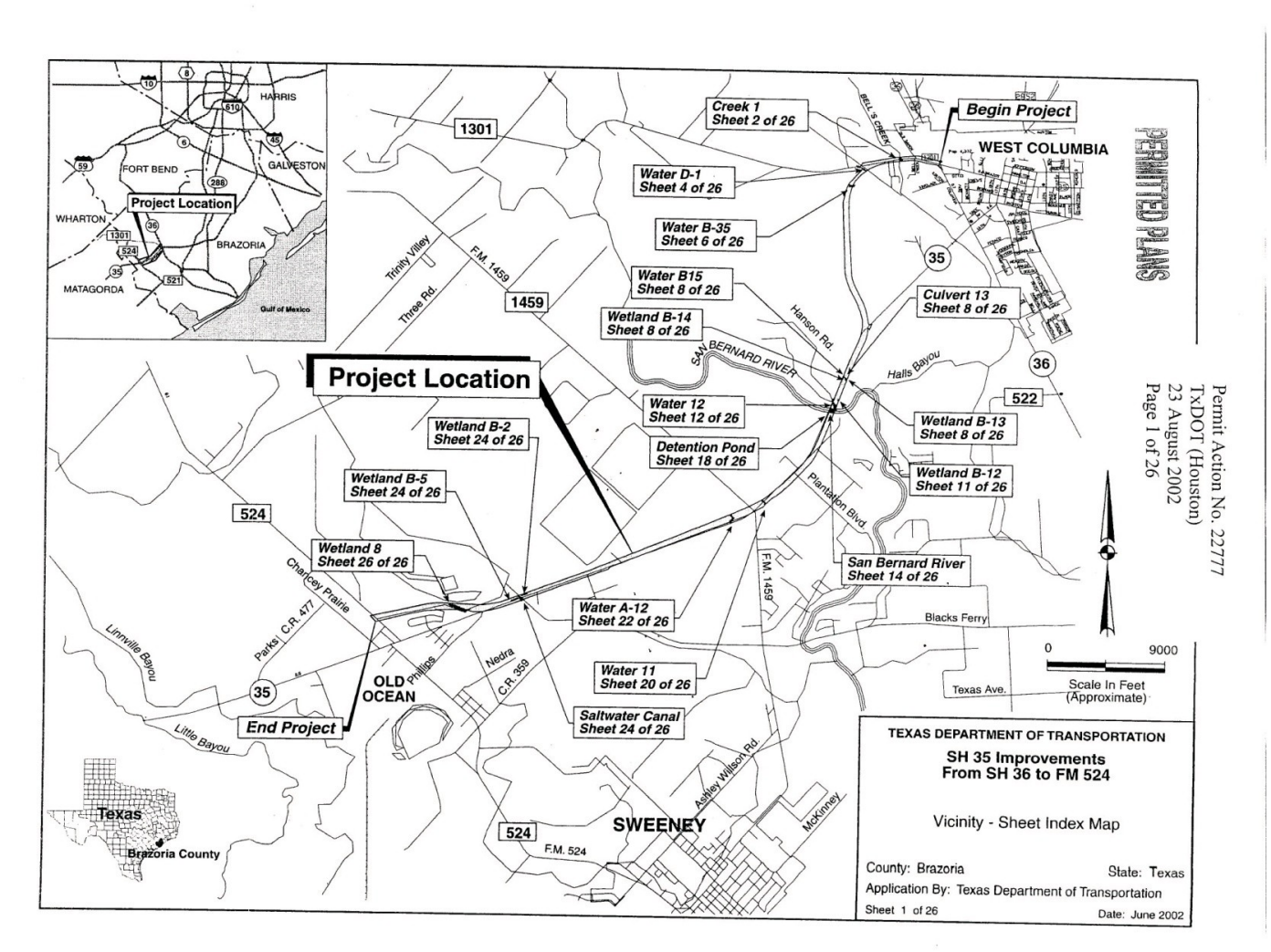
What Do We Recommend

- Review for correctness and completeness – is everything here that is required to publish a public notice
- Attach all relative information, including maps, drawings, photos, supporting documentation.
- Double check…triple check information for consistency between written information and drawings
- Remember to sign and date the Engineer From 4345
- Questions - Contact Corps.

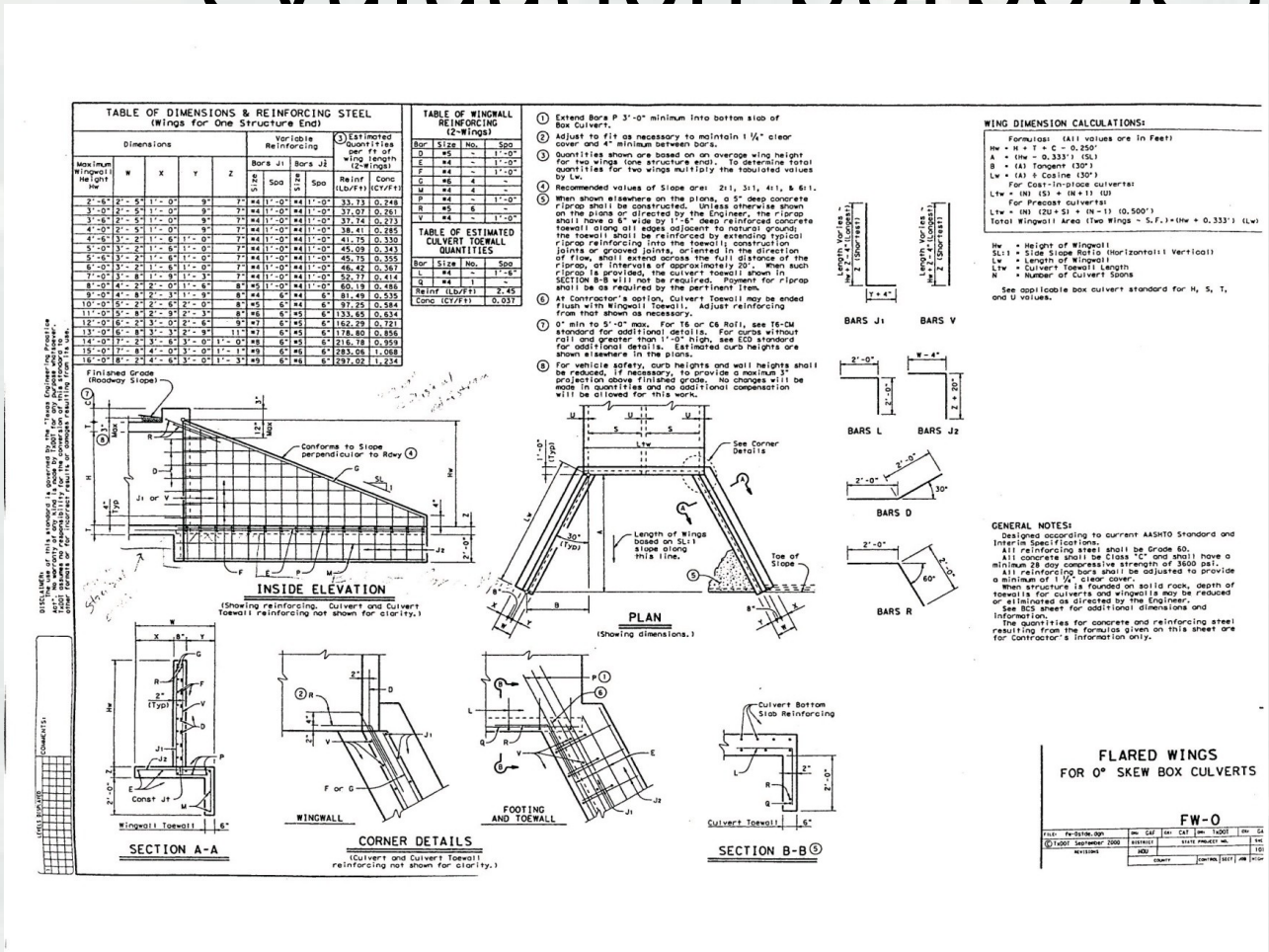
Drawings

- Black and White - 8.5” by 11” Paper
- Scale, All dimensions standard
- Complete Legend
- All Drawings consistent - Clear Details
- Tabular info MUST MATCH drawing info!
- Depict all jurisdictional, construction access,
  staging AND placement areas

Good Maps


Project Location
HARRIS
FORT BEND
GALVESTON
WHARTON
BRAZORIA
MATAGORDA
Gulf of Mexico
Texas
Brazoria County
Begin Project
WEST COLUMBIA
End Project
OLD OCEAN
SWEENEY
Creek 1 Sheet 2 of 26
Water D-1 Sheet 4 of 26
Water B-35 Sheet 6 of 26
Water B15 Sheet 8 of 26
Wetland B-14 Sheet 8 of 26
Water 12 Sheet 12 of 26
Detention Pond Sheet 18 of 26
Wetland B-2 Sheet 24 of 26
Wetland B-5 Sheet 24 of 26
Wetland 8 Sheet 26 of 26
Water A-12 Sheet 22 of 26
Water 11 Sheet 20 of 26
Saltwater Canal Sheet 24 of 26
Culvert 13 Sheet 8 of 26
Wetland B-13 Sheet 8 of 26
Wetland B-12 Sheet 11 of 26
San Bernard River Sheet 14 of 26
1301
1459
522
524
35
36
F.M. 1459
F.M. 524
SAN BERNARD RIVER
Trinity Valley
Three Rd.
Hanson Rd.
Halls Bayou
Plantation Blvd
Blacks Ferry
Texas Ave.
Chaticey Prairie
Parks C.R. 477
Linnville Bayou
Little Bayou
Phillips
Nedra
C.R. 359
Ashley Willson Rd
McKinney
0
9000
Scale In Feet (Approximate)
PERMITTED PLANS
Permit Action No. 22777
TxDOT (Houston)
23 August 2002
Page 1 of 26
TEXAS DEPARTMENT OF TRANSPORTATION
SH 35 Improvements
From SH 36 to FM 524
Vicinity - Sheet Index Map
County: Brazoria
State: Texas
Application By: Texas Department of Transportation
Sheet 1 of 26
Date: June 2002

Limit information to that necessary for permit evaluation purposes



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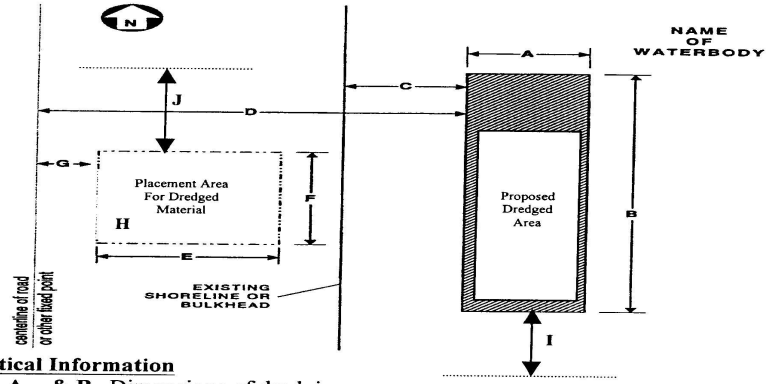
Example Plans – Dredging

Typical Plan View for Mechanical/Hydraulic Dredging Area

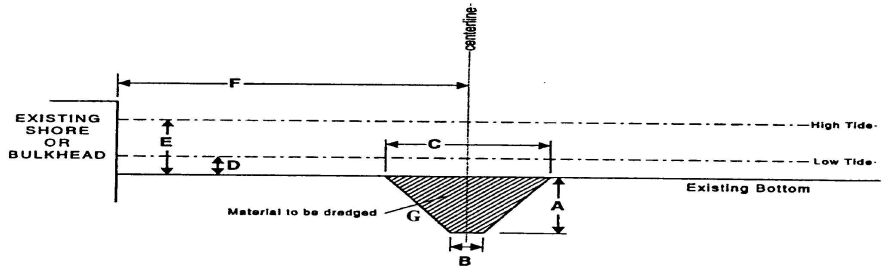


Critical Information

- **A. & B.** Dimensions of dredging area.
- **C.** Distance of dredging area from existing shoreline or bulkhead.
- **D. & I.** Distance of dredging area from fixed reference point.
- **E. & F.** Dimensions of dredged material placement area.
- **G.** Distance of dredged material placement area from the fixed reference point.
- **H.** Capacity (cubic yards) of dredged material placement area.
- **J.** Distance of placement area from fixed reference point.

Include information on the type of dredging (hydraulic or mechanical).
Please include North arrow.
Provide details on methods of moving dredged material to planned placement area.

Typical Cross-Section View of Dredged Area or Dredged Channel

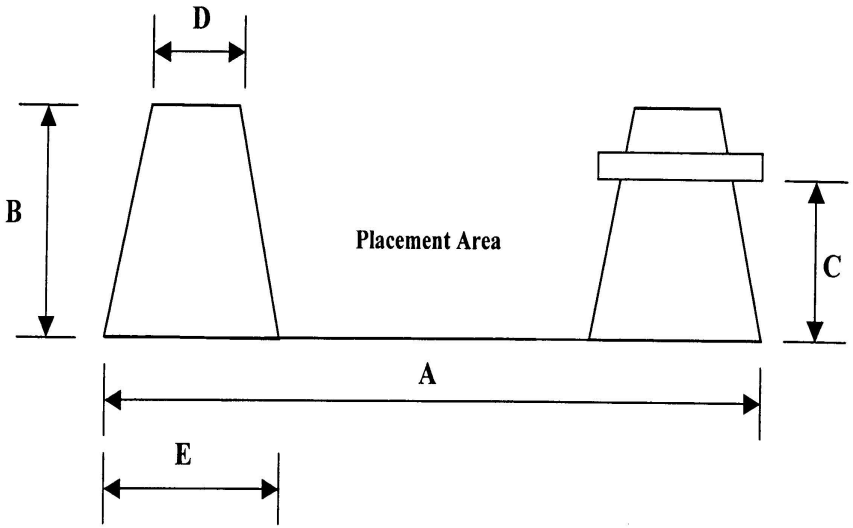


Critical Information

- **A.** Depth of proposed excavated channel or dredged area.
- **B.** Width of proposed channel at bottom of channel.
- **C.** Width of proposed channel at top of channel.
- **D.** Water depth (existing bottom) at mean low tide or ordinary low water.
- **E.** Water depth (existing bottom) at mean high tide or ordinary high water.
- **F.** Distance from the centerline of proposed channel or edge of proposed dredged area to existing shore or bulkhead.
- **G.** Amount of material to be removed (cubic yards).

Example Plans – Confined Disposal

Typical Cross-Section View of Dredged Material Placement Area for Hydraulic Dredging Projects



Critical Information

A. Dimension of dredged material placement area.
B. Retaining wall height.
C. Weir structure or outfall pipe height.
D. Retaining wall width at the top.
E. Retaining wall width at the base.

Please indicate how the run-off from the placement area is going to return to the main water body.

Specific Issues Related to Dredge Material Placement –

- *Confined Upland Placement*
- *Beneficial Use*
- *Material testing*

Confined Disposal Facilities (CDF)

Hart Miller Disposal Area in Baltimore

Craney Island in Virginia

Lake Huron

Cleveland (Cuyahoga River)

Beneficial Uses

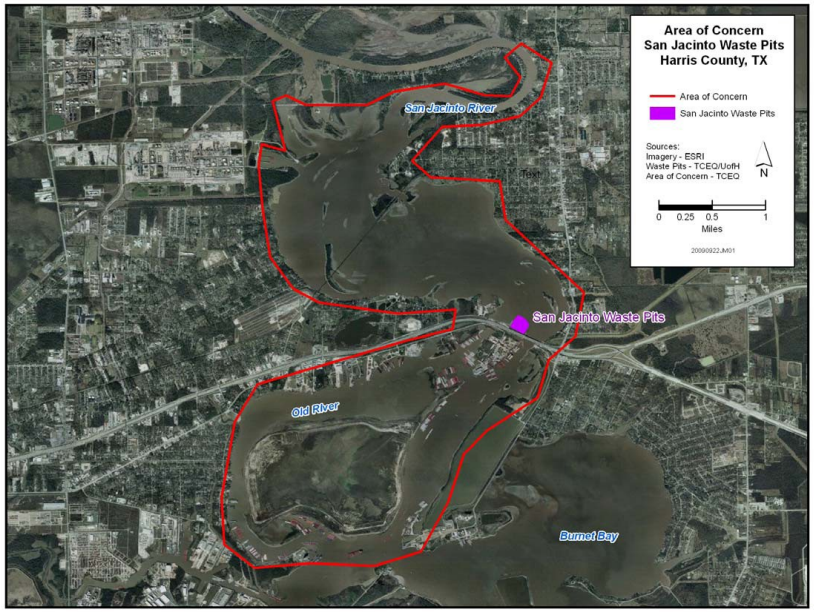
- Wetland Habitat
- Shoreline Protection
- Beach Renourishment
- Recreation
- Agriculture
- Island Habitat
- Construction Fill
- Construction Materials
- Mine Land Restoration

Testing Manuals

- Tiered testing and evaluation
- Testing procedures (elutriate, benthic, and bioaccumulation)
- Computer Models for mixing
- Statistical tools, QA/QC, and data interpretation
- Case-specific evaluations

San Jacinto River Waste Pits

San Jacinto River Waste Pits



- On March 19, 2008, the EPA placed the San Jacinto River Waste Pits Superfund Site on the National Priorities List
- All permit applicants and existing permitees within the area of concern must conduct certain sampling events

p://www.swg.usace.army.mil/Portals/26/docs/regulatory/Sampling.pdf

How We Can Help

- Early consultation can save you schedule and budget headaches.
- Pre-application meetings are available for the regulated public to get feedback in your project planning stages.
- Regulatory project managers and administrative staff are there to assist you. If there's a question, ASK!

Questions!?

Contact us:

Location: *U.S. Army Corps of Engineers*
Jadwin Building
2000 Fort Point Road
Galveston, TX 77550

Mailing Address:
U. S. Army Engineer District, Galveston
CESWG-PE-R
P.O. Box 1229
Galveston, TX 77553-1229

Telephone: *409-766-3982 or 409-766-3891*
Fax: 409-766-3931

Field Office:
Corpus Christi Field Office
5151 Flynn Parkway, Suite 306
Corpus Christi, Texas 78411
Telephone: 361-814-5850
Fax: 361-814-5912

On the web at:
http://www.swg.usace.army.mil/BusinessWithUs/RegulatoryBranch.aspx